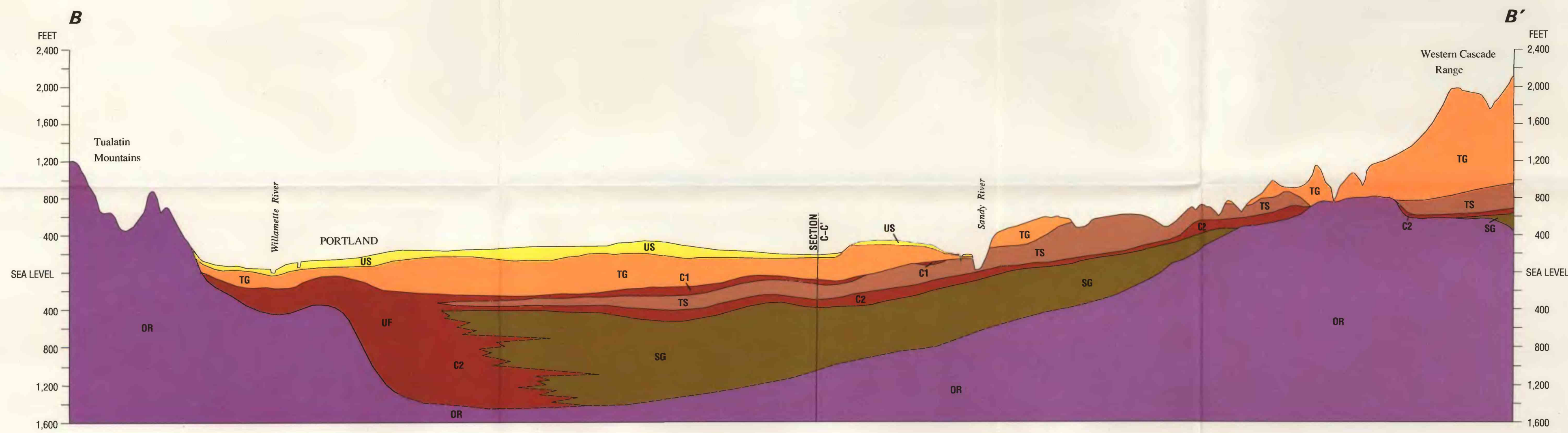


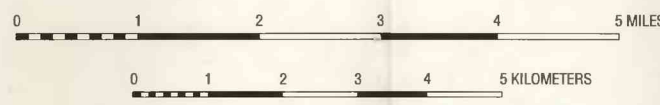
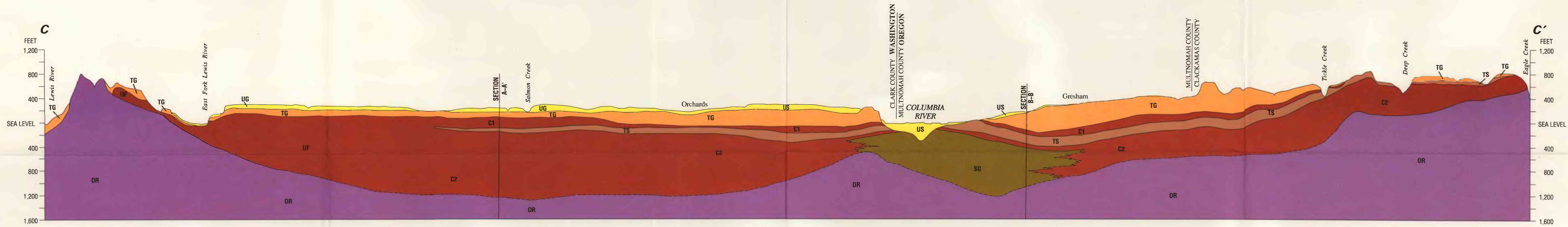
| SUBSYSTEM | SYMBOL | HYDROGEOLOGIC UNIT | DESCRIPTION |
|--|--------|---------------------------------------|--|
| UPPER SEDIMENTARY (Quaternary and Pliocene) | US | UNCONSOLIDATED SEDIMENTARY AQUIFER | Alluvium along major rivers and Pleistocene catastrophic flood deposits that mantle much of the basin. |
| | TG | TROUTDALE GRAVEL AQUIFER | Cemented sand and gravel deposits of the Troutdale Formation. Also includes Cascadian volcanic conglomerates (Gresham, Springwater, and Walters Hill Formations). Pleistocene terrace gravel locally along rivers, Boring Lava and High Cascade volcanics. |
| LOWER SEDIMENTARY (Pliocene) | UP | UNDIFFERENTIATED FINE-GRAINED UNITS | |
| | | C1 | CONFINING UNIT 1 Mudstone, siltstone, and claystone with some vitric sandstone. Considered Troutdale Formation, however, where the Troutdale sandstone aquifer is not present, it cannot be distinguished from Sandy River Mudstone. |
| | | TS | TROUTDALE SANDSTONE AQUIFER Vitric sandstone and conglomerate. Correlative with Troutdale Formation. |
| | | C2 | CONFINING UNIT 2 Mudstone, siltstone, and claystone mapped as Sandy River Mudstone. |
| OLDER ROCKS (Miocene-Eocene) | OR | SG | SAND AND GRAVEL AQUIFER Silty to gravelly sand within Sandy River Mudstone. |
| | | OR | OLDER ROCKS Includes Skamania Volcanics, Goble Volcanics, marine sediments of the Pittsburg Bluff and Scappoose Formations, basalt of Wawawai Heights, Columbia River Basalt Group and volcanic rocks of the Rhododendron Formation. |



EXPLANATION

--- CONTACT---Approximately located. Dashed
where inferred.

LINE OF HYDROGEOLOGIC SECTIONS SHOWN ON PLATE 1



HYDROGEOLOGIC SECTIONS OF THE PORTLAND BASIN
By
R.D. Swanson, W.D. McFarland, J.B. Gonthier, and J.M. Wilkinson
1993

Hydrogeology modified from sources shown on geologic mapping index.
Swanson, R.D., McFarland, W.D., Gonthier, J.B., and
Wilkinson, J.M., 1993. A description of hydrogeologic
units in the Portland basin, Oregon and Washington.
U.S. Geological Survey Water-Resources Investigations
Report 90-4196.